AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1-45. (CANCELED)

46. (PREVIOUSLY PRESENTED) A data transmission device to be used in a system including said data transmission device and a data receiving device which are connected to a data network, and at least one portable terminal, said data transmission device comprising:

a first transmission unit for transmitting to said portable terminal without recourse to said data network a signal for obtaining device information from said data receiving device, the data receiving device information containing connection information for establishing a connection between said data transmission device and said data receiving device;

a receiving unit for receiving the data receiving device information from said portable terminal without recourse to said data network; and

a second transmission unit for transmitting to said data receiving device a signal for requesting a connection based on the device information using said data network.

47. (PREVIOUSLY PRESENTED) A data transmission device as claimed in claim 46, wherein the second transmission unit transmits data to said data

receiving device via said data network after establishing a connection with said data receiving device.

48. (PREVIOUSLY PRESENTED) A data transmission device as claimed in claim 46, in which said first transmission unit and said receiving unit transmit and receive data with said portable terminal via a mobile telecommunication network.

49. (PREVIOUSLY PRESENTED) A data transmission device as claimed in claim 46, in which said connection information contains an identification code for identifying said data receiving device on said data network.

50. (ORIGINAL) A data transmission device as claimed in claim 49, in which said identification code is an IP address.

51. (PREVIOUSLY PRESENTED) A data receiving device to be used in a system including a data transmission device and said data receiving device which are connected to a data network, and at least one portable terminal, said data receiving device comprising:

a transmission unit for transmitting data receiving device information to said portable terminal without recourse to said data network according to a request signal received from said portable terminal without recourse to said data network, the data receiving device information containing connection information for establishing a connection between said data transmission device and said data receiving device; and

a connection unit for establishing a connection with said data transmission device according to a signal for requesting the connection transmitted from said data transmission device based on the device information using said data network.

52. (PREVIOUSLY PRESENTED) A data receiving device as claimed in claim 51, in which said transmission unit comprises a communication unit communicating in short distances for transmitting the device information to said portable terminal.

53. (PREVIOUSLY PRESENTED) A data receiving device as claimed in claim 52, in which said communication comprises a wireless communication unit.

54. (PREVIOUSLY PRESENTED) A data receiving device as claimed in claim 53, in which said communication unit carries out communication based on either Bluetooth®, IEEE 802.11, HomeRF®, or IrDA®.

55. (PREVIOUSLY PRESENTED) A data receiving device as claimed in claim 52, in which said communication unit comprises a wired communication unit.

56. (PREVIOUSLY PRESENTED) A data receiving device as claimed in claim 51, in which said connection information contains an identification code for identifying said data receiving device on said data network.

57. (ORIGINAL) A data receiving device as claimed in claim 56, in which said identification code is an IP address.

58. (PREVIOUSLY PRESENTED) A portable terminal to be used in a system including a data transmission device and a data receiving device which are connected to a data network, and said portable terminal, said portable terminal comprising:

a first transmission unit for transmitting to said data receiving device without recourse to the data network a signal for requesting transmission of device information according to a request from said data transmission device, the device information containing connection information for establishing a connection between said data transmission device and said data receiving device;

a receiving unit for receiving the device information from said data receiving device; and

a second transmission unit for transmitting the device information received from said data receiving device to said data transmission device.

59. (PREVIOUSLY PRESENTED) A portable terminal as claimed in claim 58, in which said first transmission unit and said receiving unit comprise a communication unit communicating in short distances for transmitting and receiving data with said data receiving device.

60. (PREVIOUSLY PRESENTED) A portable terminal as claimed in claim 59, in which said communication unit comprises a wireless communication unit.

61. (PREVIOUSLY PRESENTED) A portable terminal as claimed in claim 60, in which said communication unit carries out communication based on either Bluetooth®, IEEE 802.11, HomeRF®, or IrDA®.

62. (PREVIOUSLY PRESENTED) A portable terminal as claimed in claim 59, in which said communication unit comprises a wired communication unit.

63. (PREVIOUSLY PRESENTED) A portable terminal as claimed in claim 58, in which said second transmission unit transmits the device information to said data transmission device via a mobile telecommunication network.

64. (PREVIOUSLY PRESENTED) A portable terminal as claimed in claim 58, in which said connection information contains an identification code for identifying said data receiving device on said data network.

65. (ORIGINAL) A portable terminal as claimed in claim 64, in which said identification code is an IP address.

66. (CURRENTLY AMENDED) A data receiving device to be used in a system including a data transmission device and said data receiving device which are connected to a data network, and a portable terminal, said data receiving device comprising:

a wireless communication unit for receiving device information of said data transmission device from said portable terminal without recourse to said data network, the device information containing connection information for ~~establishing~~ initiating a connection ~~between~~ from said data receiving device to said data transmission device ~~and said data receiving device~~ using said data network; and

a controller for deleting the device information if a certain condition is satisfied.

67. (CURRENTLY AMENDED) The data receiving unit of claim 66, wherein the certain condition includes a condition where the wireless communication unit fails to communicate with the portable terminal device ~~after a predetermined time~~.

68. (PREVIOUSLY PRESENTED) The data receiving device of claim 66, wherein the certain condition includes a condition when the portable terminal device is out of a range from the wireless communication unit based upon connection checks at a constant time interval.

69. (PREVIOUSLY PRESENTED) The data receiving device of claim 66, wherein the wireless communication unit carries out wireless communication with the portable terminal device based on either Bluetooth®, IEEE 802.11, HomeRF®, or IrDA®.

70. (PREVIOUSLY PRESENTED) The data receiving device of claim 66, wherein the connection information contains an identification code for identifying the data transmission device on the data network.

71. (PREVIOUSLY PRESENTED) The data receiving device of claim 70, wherein the identification code is an IP address.

72. (WITHDRAWN) A method for establishing communication between telephones, comprising the steps of:

(a) establishing a first communication between the telephones via a telecommunication network;

(b) exchanging information between the telephones via the telecommunication network; and

(c) establishing a second communication between the telephones via a computer network by using the information that has been exchanged via the telecommunicating network.

73. (WITHDRAWN) The method of claim 72, wherein at least one of the telephones comprises a mobile phone, and wherein at least part of the telecommunication network comprises a mobile telecommunication network.

74. (WITHDRAWN) The method of claim 73, wherein the computer network comprises at least one wireless communication apparatus for communicating with the at least one mobile phone.

75. (WITHDRAWN) A method as claimed in claim 72, further comprising:

(d) carrying out the second communication between the telephones via the computer network after the step (c).

76. (WITHDRAWN - CURRENTLY AMENDED) A method as claimed in claim ~~71~~ 75, wherein, in the step (d), voice data is transmitted from one of the telephones to the other of the telephones.

77. (WITHDRAWN) A method as claimed in claim 76, wherein the step (d) comprises:

(d-1) generating voice data in accordance with a voice input from the one of the telephones;

(d-2) encoding the voice data generated in the step (d-1);

(d-3) transmitting the encoded voice data toward the other of the telephones;

(d-4) decoding the encoded voice data; and

(d-5) reproducing the voice on the other of the telephones in accordance with the decoded voice data.